

042304

13281 U.S. PTO

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27849

PATENT TRADEMARK OFFICE

19270 U.S. PTO  
10/830120

042304

TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attorney Docket No. 249/456  
(must include alphanumeric codes if no inventors named)

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(new nonprovisional applications under 37 CFR 1.53(b))**

Transmitted herewith for filing is the patent application of:

**INVENTOR(S): Jung-hyun LEE, Hion-suck BAIK, Soon-ho KIM, Jae-young CHOI**

**TITLE: STACK-TYPE CAPACITOR, SEMICONDUCTOR MEMORY DEVICE HAVING THE SAME, AND METHODS OF MANUFACTURING THE CAPACITOR AND THE SEMICONDUCTOR MEMORY DEVICE**

In connection with this application, the following are enclosed:

**APPLICATION ELEMENTS:**

xx Specification - 25 TOTAL PAGES

(preferred arrangement:)

- Descriptive Title of the Invention
- Cross Reference to Related Applications
- Statement Regard Fed sponsored R&D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

xx Drawings - Total Sheets 9

xx Declaration and Power of Attorney - Total Sheets 2

xx Newly executed (original or copy)

\_\_\_\_\_ Copy from a prior application (37 CFR 1.63(d))

(relates to continuation/divisional boxes completed) - NOTE: Box below

\_\_\_\_\_ DELETION OF INVENTOR(S) - Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

\_\_\_\_\_ Incorporation By Reference (useable if copy of prior application Declaration being submitted)

The entire disclosure of the prior application, from which a COPY of the oath or declaration is supplied as noted above, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

\_\_\_\_\_ Microfiche Computer Program (Appendix)

\_\_\_\_\_ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

\_\_\_\_\_ Computer Readable Copy

\_\_\_\_\_ Paper Copy (identical to computer copy)

\_\_\_\_\_ Statement verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

☒ Assignment Papers (cover sheet & document(s))  
37 CFR 3.73(b) Statement (when there is an assignee)  
English Translation Document (if applicable)  
☒ Information Disclosure Statement (IDS) with PTO-1449. \_\_\_\_ Copies of IDS Citations  
Preliminary Amendment  
☒ Return Receipt Postcard (MPEP 503)  
Small Entity Statement(s)  
\_\_\_\_ Statement file in prior application, status still proper and desired.  
☒ Certified Copy of Priority Document(s) with Claim of Priority  
(if foreign priority is claimed).  
\_\_\_\_ OTHER: Check for

If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

\_\_\_\_ Continuation \_\_\_\_ Divisional \_\_\_\_ Continuation-in-part (CIP)  
of prior application Serial No. \_\_\_\_.

\_\_\_\_ Amend the specification by inserting before the first line the following sentence: --This application is a \_\_\_\_ continuation, divisional or \_\_\_\_ continuation-in-part of application Serial No. \_\_\_\_, filed \_\_\_\_.--

**CORRESPONDENCE ADDRESS:**

LEE & STERBA, P.C. - address noted above.  
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**FEE CALCULATIONS:** (Small entity fees indicated in parentheses.)

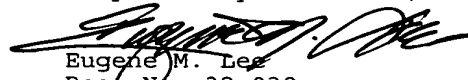
| (1)<br>For                            | (2)<br>Number Filed | (3)<br>Number Extra | (4)<br>Rate        | (5)<br>Basic Fee<br>\$770.00 (\$385) |
|---------------------------------------|---------------------|---------------------|--------------------|--------------------------------------|
| Total Claims                          | 24 - 20 =           | 4                   | x \$18<br>(x \$9)  | 72.00                                |
| Independent Claims                    | 4 - 3 =             | 1                   | x \$86<br>(x \$43) | 86.00                                |
| Multiple Dependent Claims             |                     |                     | \$290<br>(\$145)   | 0.00                                 |
| Assignment Recording Fee per property |                     |                     | \$40               | 40.00                                |
| TOTAL FEE:                            |                     |                     |                    | 968.00                               |

**METHOD OF PAYMENT:**

The Commissioner is hereby authorized to charge the fees connected with the filing of this application to Deposit Account No. 5-01645.

Date: April 23, 2004

Respectfully submitted,

  
Eugene M. Lee  
Reg. No. 32,039  
Richard A. Sterba  
Reg. No. 43,162